

Date: Fri, 8 Jul 94 04:30:31 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #180
To: Ham-Space

Ham-Space Digest Fri, 8 Jul 94 Volume 94 : Issue 180

Today's Topics:

 10M Receive Antennas
 DOVE-OSCAR-17 Telemetry Decoding Program Available
 DOVE Confusion, Need Clarification (2 msgs)
 oscar rigs, etc.
 rebroadcast of AMSAT net
 Satellites seen from Earth
 STS-65 Element Set (94189.746)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>

Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 7 Jul 94 14:09:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: 10M Receive Antennas
To: ham-space@ucsd.edu

Message:

OOPS!! In my previous posting, H-S Digest #179, I made mention of crossed Yagis. I really meant "crossed dipoles". If I had the ability to put up beams, I wouldn't have the need for a fixed antenna. I found something about this configuration in an old copy of The Satellite Experimenters Handbook with the name T/R Array (for turnstile-reflector) The diagram showed two patterns, one like a slightly elevated do-nut and the other more rounded but slightly elongated in the vertical plane with the difference being only the spacing above ground. The do-nut was 3/8 wave and the other was 1/4 wave above. Also, the antenna was illustrated for 2M, but shouldn't

it work for other bands as well? Again, thanks in advance for any input.

73, Gary WA4YMZ FM05 Apex,NC E-mail: Gary.Rogers@dgc.ceo.dg.com

Any opinions expressed are my own, and don't reflect those of any other party. Thier loss.

Date: 7 Jul 94 14:11:31 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!newsserver.jvnc.net!
igor.rutgers.edu!dziuxsolim.rutgers.edu!pilot.njin.net!magliaco@network.ucsd.edu
Subject: DOVE-OSCAR-17 Telemetry Decoding Program Available
To: ham-space@ucsd.edu

I just finished creating a simple (but effective) telemetry decoding program for DOVE-OSCAR-17 and am making it available via anonymous FTP at pilot.njin.net. The file is called "duvdec10.zip" and is located in the /pub/SpaceNews/software sub-directory.

73, de John, KD2BD

--
John A. Magliacane, KD2BD * /\ \ * Voice : 1-908-224-2948
Advanced Technology Center |/\ \ \ \ | Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |/\ \ \ \ | Internet: magliaco@pilot.njin.net
Lincroft, NJ 07738 * /\ \ * Morse : -.----- -... -..

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John A. Magliacane, KD2BD * /\ \ * Voice : 1-908-224-2948
Advanced Technology Center |/\ \ \ \ | Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |/\ \ \ \ | Internet: magliaco@pilot.njin.net
Lincroft, NJ 07738 * /\ \ * Morse : -.----- -... -..

Date: 7 Jul 1994 16:00:28 GMT

From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!sookit!
rspear@network.ucsd.edu
Subject: DOVE Confusion, Need Clarification
To: ham-space@ucsd.edu

John C. Wren (jcw@kd4dts.atl.ga.us) wrote:

: I'm a little confused about the DOVE satellites (so what's new many
: people shout together...) Is D0-17 the DOVE satellite? And what
: modes, etc does it support? I'm trying to find the TLE's to add to
: PCTRACK, and I'm not sure what I'm looking for. Someone recently
: posted a large list of TLE, and the closest thing I find is D0-17.

: - John

john - here's the downlinks from dove (do-17) ...

145.82438 1200 bps AFSK FM or Dig Voice
145.82516 1200 bps AFSK FM or Dig Voice

there are no uplinks ...

regards, richard kd6lwd

rspear@sookit.jpl.nasa.gov
all disclaimers apply

Date: Thu, 7 Jul 1994 19:00:06 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!asuvax!pitstop.mcd.mot.com!mcdphx!schbbs!
news@network.ucsd.edu
Subject: DOVE Confusion, Need Clarification
To: ham-space@ucsd.edu

In article <1994Jul6.233235.19336@kd4dts.atl.ga.us>, jcw@kd4dts.atl.ga.us (John C.
Wren)

says:

>
> I'm a little confused about the DOVE satellites (so what's new many
> people shout together...) Is DO-17 the DOVE satellite? And what
> modes, etc does it support? I'm trying to find the TLE's to add to
> PCTRACK, and I'm not sure what I'm looking for. Someone recently
> posted a large list of TLE, and the closest thing I find is DO-17.
>
>

- John

Yes, DO-17 is the same satellite as DOVE. At the moment, the bird is transmitting
on 145.825 +/- doppler. It is broadcasting AFSK 1200 baud packet (standard TNC
will

capture and decode) and computer generated voice announcements. At this time, the
computer generated voice is simply saying "HI, this is DOVE in space" or something
like that. A little difficult to understand. Good luck.

Ned AA7A

Date: 7 Jul 1994 22:40:53 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!paris.ics.uci.edu!
news.claremont.edu!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!sookit!

rspear@network.ucsd.edu
Subject: oscar rigs, etc.
To: ham-space@ucsd.edu

i'm trying to put together a first sat station ... right now i just use a 2 meter mobile rig, power supply and 3 element beam. i know about 726's and 736's, but i would like to enter the hobby at a less expensive level. seems that there are 2 meter and 430 mhz multimodes that were used for sat comm before the fancy newer rigs ... anyone have suggestions for entry level stuff?

regards, richard

rspear@sookit.jpl.nasa.gov
all disclaimers apply

Date: Thu, 07 Jul 1994 13:23:43
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!
csc.ti.com!tilde.csc.ti.com!sislnews.csc.ti.com!kendurham.sc.ti.com!
ken@network.ucsd.edu
Subject: rebroadcast of AMSAT net
To: ham-space@ucsd.edu

A recent AMSAT bulletin listed a live rebroadcast of the Houston AMSAT net to take place on television satellite G3 transponder 17, 5.8 Mhz audio channel at 10:00 PM last Tuesday night. I couldn't find any audio on 5.8 or anywhere else on transponder 17. Messages left at the phone numbers listed in the bulletin for information have not resulted in any return calls.

Does anyone know if the rebroadcast was on another sat, freq, or time?

K5MBV

Date: 8 Jul 1994 02:48:06 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!torn!news.unb.ca!
nbt.nbnet.nb.ca!nbnet.nb.ca!stjacque@network.ucsd.edu
Subject: Satellites seen from Earth
To: ham-space@ucsd.edu

Hi,
I am an amateur astronomer and often wondered if it was possible to identify the satellites crossing the night sky. If anyone knows, I guess you guys should know.
So, would anyone be so kind and send me the coordinates, dates, times...

I am at long.68*26, lat.+47*28.
I will appreciate very much.
Thanks.
Rachel

Date: Thu, 7 Jul 1994 16:46:16 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!agate!trib.apple.com!amd!netcomsv!telesoft!
garym@network.ucsd.edu
Subject: STS-65 Element Set (94189.746)
To: ham-space@ucsd.edu

STS-65
1 00065U 94189.74687707 .00052344 00000-0 15762-3 0 47
2 00065 28.4664 7.3074 0003571 330.7493 29.2906 15.90324781 29

Satellite: STS-65
Catalog number: 00065
Epoch time: 94189.74687707 = (08 JUL 94 17:55:30.18 UTC)
Element set: 004
Inclination: 28.4664 deg
RA of node: 7.3074 deg Space Shuttle Flight STS-65
Eccentricity: .0003571 Prelaunch Element set JSC-004
Arg of perigee: 330.7493 deg Launch: 08 JUL 94 16:43 UTC
Mean anomaly: 29.2906 deg
Mean motion: 15.90324781 rev/day Gil Carman, WA5NOM
Decay rate: 5.2344e-04 rev/day^2 NASA Johnson Space Center
Epoch rev: 2

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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End of Ham-Space Digest V94 #180
